SWP Water Quality Summary

May18 to June 15, 2006

Total Dissolved Solids: This month's data show TDS decreasing at all stations except at Check 41, which increased from 100 to 120 mg/l. TDS at all locations remained below Article 19 Monthly Average Objective of 440 mg/l. Concentrations dropped to 55 mg/l and 79 mg/l on June 7 at Check 29 and Bank Pumping Plant (BPP). As of June 7, TDS declined dramatically at Check 29, from 191 to 55 mg/l. The peak TDS concentrations during this reporting period (May 9 to June 7) were 186 mg/l at Barker Slough and 120 mg/l at Check 41.

Bromide: Concentrations exceeded the CBDA Objective of 0.05 mg/l only at Barker Slough (0.11 mg/l). Concentrations ranged from 0.01 to 0.11 mg/l. Check 29, BPP and Vallecitos had the lowest concentration (0.01, 0.03, 0.03 mg/l), followed by Check 41 and Devil Canyon with 0.05 mg/l each. The highest concentrations of 0.11 mg/l occurred at Barker Slough on June 7, 2006.

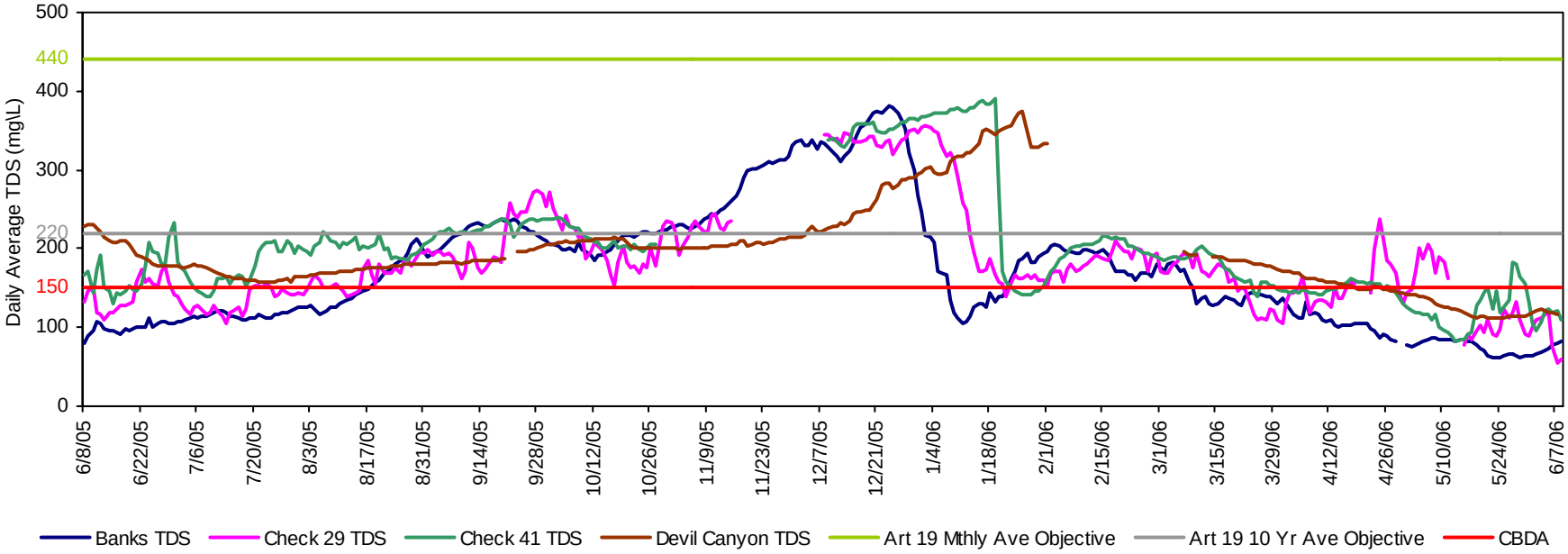
Turbidity: Turbidity increased at BPP, Devil Canyon and Vallecitos. The greatest increase of 6 NTU's occurred at Vallecitos on June 7, 2006. The decrease in turbidity at Check 29 was maybe due to reduced flow at Kern River Intertie. The highest concentration of 40 NTU occurred at Barker Slough while the lowest of 6 NTU was at Devil Canyon.

Dissolved Organic Carbon: Concentrations were below the CALFED TOC Objective of 3.0 mg/l on June 7, 2006 at BPP, Check 13 and Edmonston. DOC at all locations decreased and their current values ranged from 2.5 mg/l to 2.8 mg/l. The highest concentration of 2.8 mg/l occurred at Edmonston while the lowest of 2.5 mgl was at BPP on June 7, 2006. This decrease in TOC at Edmonston might also be related to the decrease in flow from the Kern River Intertie.

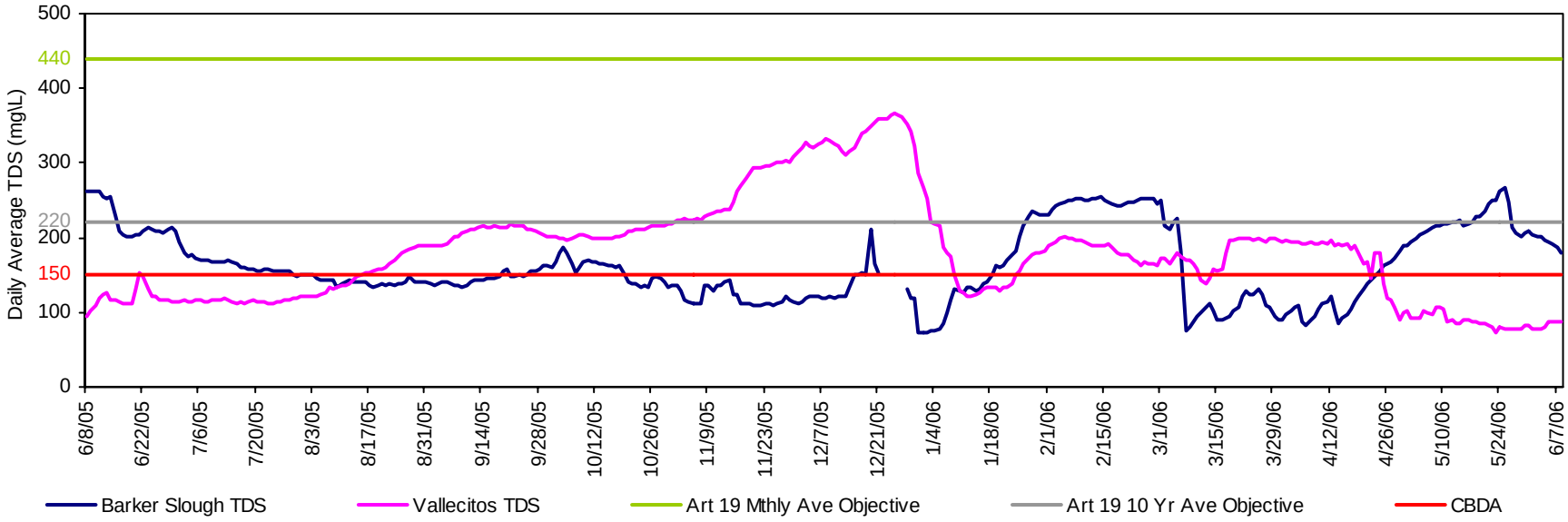
Taste and Odor Compounds: MIB and geosmin were low at Clifton Court Forebay Inlet, BPP and Del Valle Check 7, and below detection at San Luis Reservoir, Pacheco Pumping Plant, and Lake Del Valle Outlet.

Kern River Intertie began entering California Aqueduct on May 4, 2006. The current flow is about 200 cfs and expected to go to zero soon.
King River water was added to the aqueduct via laterial # 7, at a rate of 60 cfs.

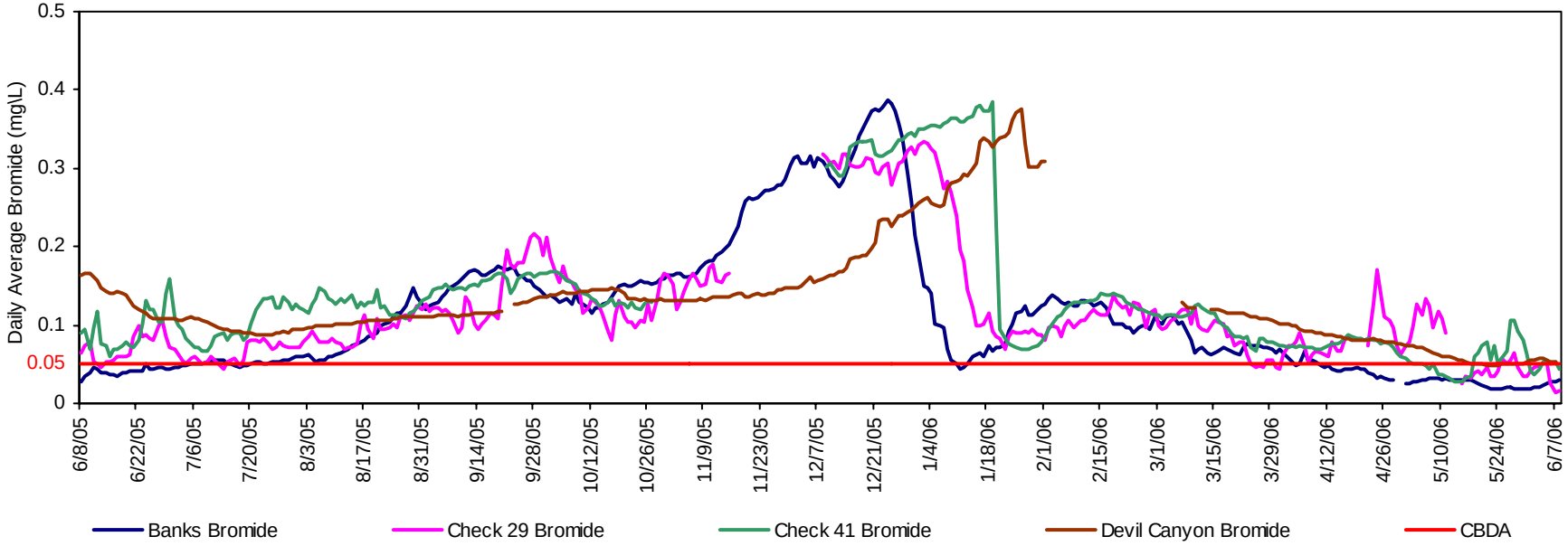
California Aqueduct - Calculated Total Dissolved Solids



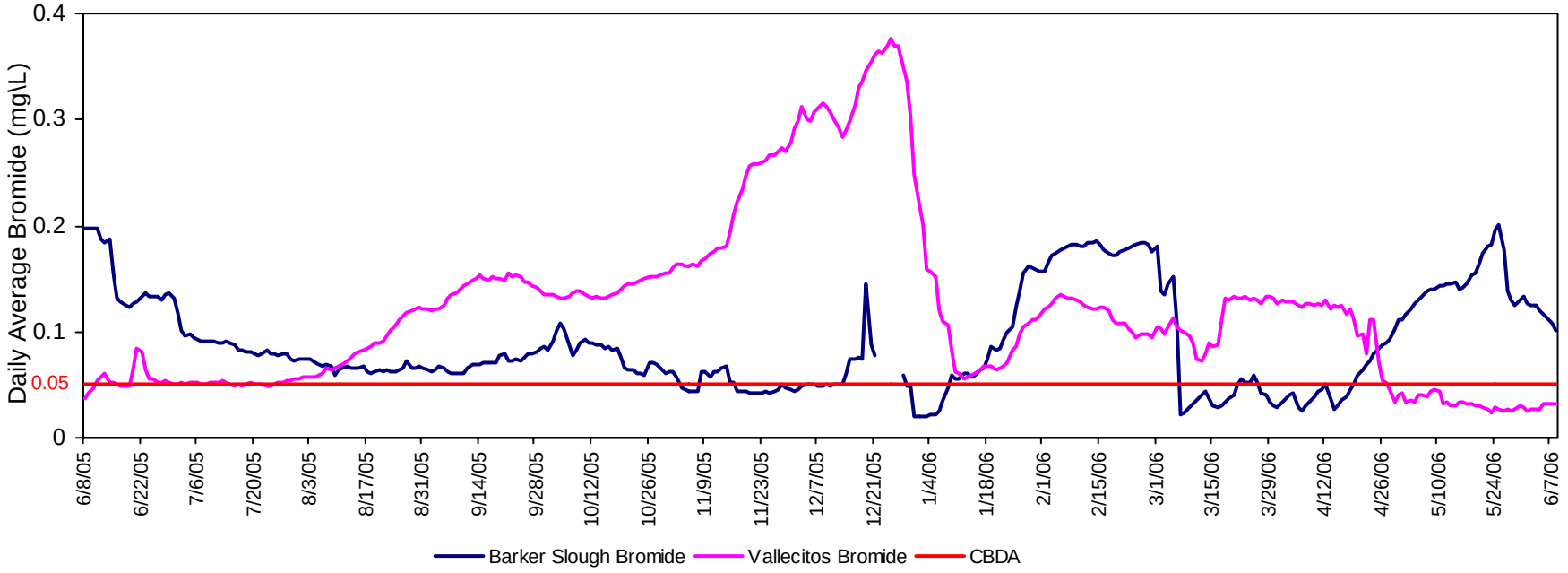
North and South Bay Aqueduct - Calculated Total Dissolved Solids



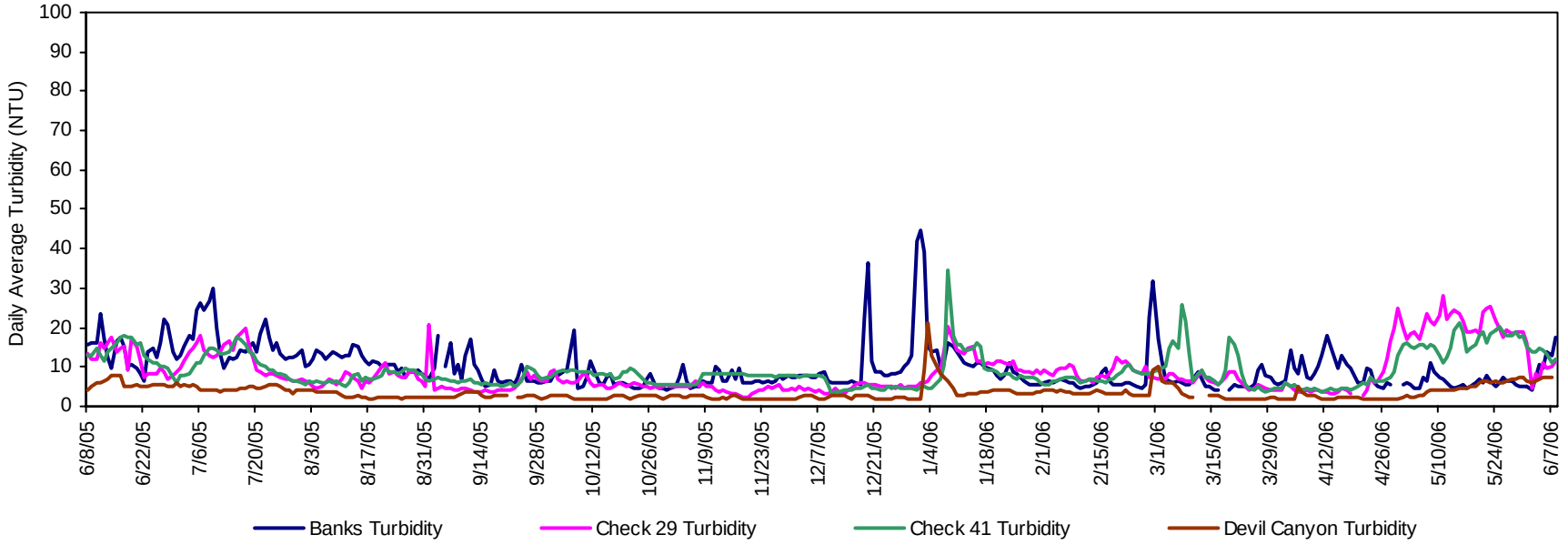
California Aqueduct - Calculated Bromide



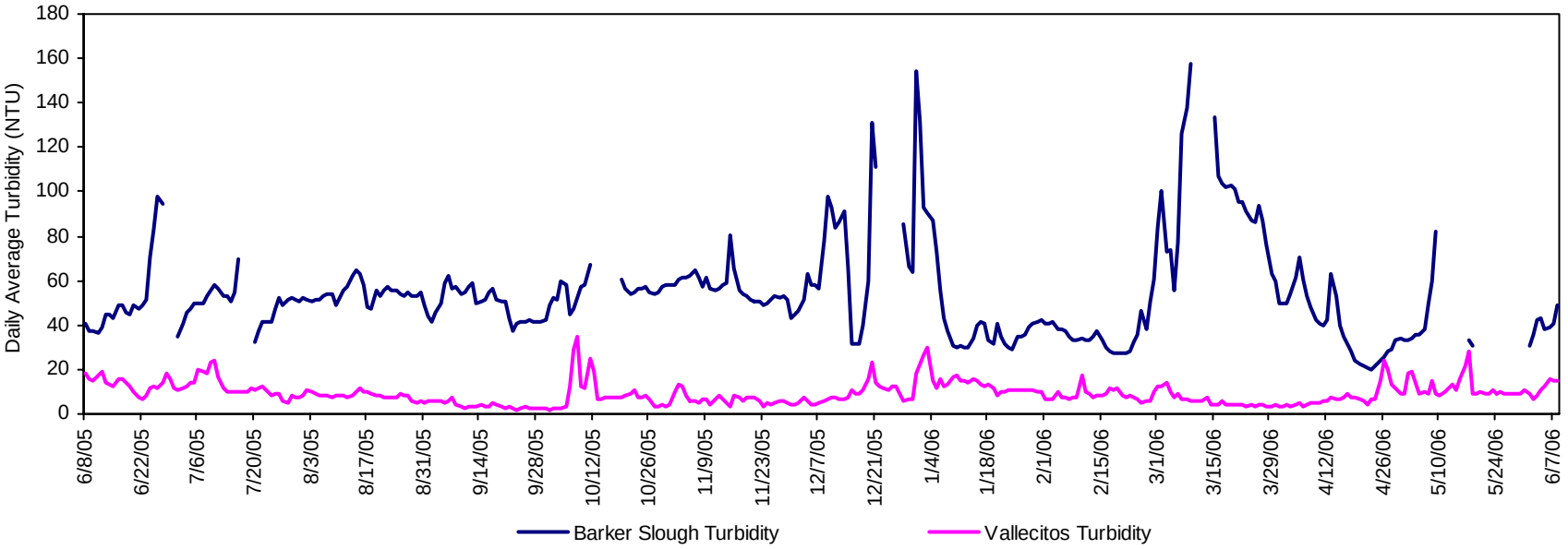
North and South Bay Aqueduct - Calculated Bromide

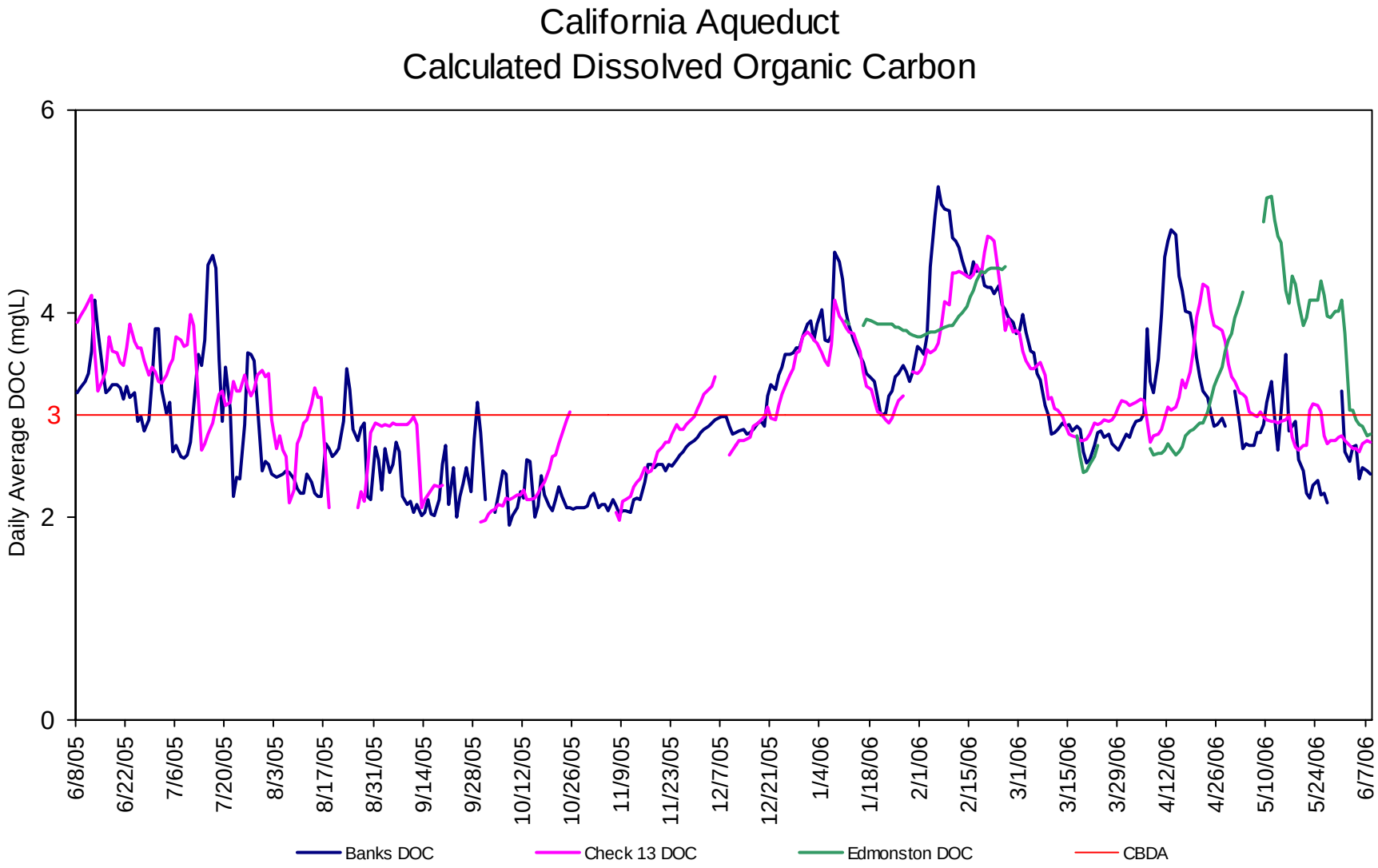


California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity




California Aqueduct
Calculated Dissolved Organic Carbon
Daily Average DOC (mg\L)
6
4
3
2
0
6/8/05
6/22/05
7/6/05
7/20/05
8/3/05
8/17/05
8/31/05
9/14/05
9/28/05
10/12/05
10/26/05
11/9/05
11/23/05
12/7/05
12/21/05
1/4/06
1/18/06
2/1/06
2/15/06
3/1/06
3/15/06
3/29/06
4/12/06
4/26/06
5/10/06
5/24/06
6/7/06
Banks DOC
Check 13 DOC
Edmonston DOC
CBDA